



# ART

## Department of Energy

Richland Field Office

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9303019

MAR 26 1993

93-ERB-123

Mr. Paul T. Day  
Hanford Project Manager  
U.S. Environmental Protection Agency  
712 Swift Boulevard, Suite 5  
Richland, Washington 99352

Mr. Roger F. Stanley  
Hanford Project Manager  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504-7600



Dear Messrs. Day and Stanley:

100-FR-3 OPERABLE UNIT (OU) LIMITED FIELD INVESTIGATION (LFI) VALIDATED SOIL  
SAMPLE LABORATORY ANALYSIS

References: (1) DOE/RL-90-21, Remedial Investigation/Feasibility Study Work  
Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland,  
Washington, Revision 0, dated August, 1992.

(2) WHC-SD-EN-SPP-002, Data Validation Procedures for Chemical  
Analyses, Revision 1, data April 1, 1992.

(3) WHC-SD-EN-SPP-001, Data Validation Procedures for  
Radiological Analyses, Revision 0, dated January 21, 1992.

(4) RL-TPA-90-0001, Hanford Federal Facility Agreement and  
Consent Order (Tri-Party Agreement) Handbook, Revision 0,  
"Release of Uninterpreted Data Packages to the Regulators,"  
dated December 14, 1990.

(5) DOE ltr. to P. T. Day from S. H. Wisness "Validation of  
Vadose Zone Data Collected During Conduct of 100-KR-4 OU LFI  
Activities," dtd. February 12, 1993.

Enclosed please find a report containing a validated data summary from  
analytical laboratory chemical and radiological analysis of soil samples  
collected during LFI activities for the 100-FR-3 OU. The U.S. Department of  
Energy, Richland Field Office (RL) submits this report to the  
U.S. Environmental Protection Agency (EPA) and the State of Washington  
Department of Ecology (Ecology) to complete a portion of the Hanford Federal  
Facility Agreement and Consent Order (Tri-Party Agreement) Interim Milestone  
M-15-13E (due date June 14, 1993).

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The two items provided as enclosures for this letter are as follows: 1) A map of 100-FR-3 OU well locations (enclosure 1), and 2) Data Validation Report for the 100-FR-3 OU Soil Samples, WHC-SD-EN-TI-130, Revision 0 (enclosure 2).

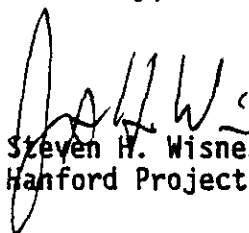
Nine of twenty-three data packages were validated for soil samples collected during installation of thirteen new groundwater (GW) monitoring wells in the 100-F Reactor Area (reference 1) complying with the ten percent validation requirement as specified in the 100-FR-3 OU work plan (reference 1). An RL contractor, Westinghouse Hanford Company (WHC), completed the 100-KR-4 OU data validation task by a review of laboratory performance and implementation of WHC data validation procedures (references 2 and 3). RL submits the data validation reports to EPA and Ecology per procedures contained in the Tri-Party Agreement Handbook (reference 4).

The report includes a summary of the validation with text describing the validation process and discussion of the results of validation. Summary tables are included which give the analytical results for each sample.

RL is submitting the enclosures early to EPA and Ecology (M-15-13E due date: June 14, 1993, reference 1) to be responsive to an EPA request for quicker delivery of validated data from soil samples collected during installation of GW wells in OU LFIs where EPA is the lead regulatory agency (reference 5). RL intends to deliver validated GW sample analysis from the first round of quarterly sampling (reference 1) to complete the remainder of M-15-13E on June 14, 1993.

Please address any comments or questions regarding this correspondence or 100 Area past-practice environmental investigations to Mr. E. D. Goller on (509) 376-7326.

Sincerely,



Steven H. Wisness  
Hanford Project Manager

ERD:EDG

Enclosures: As stated

cc w/encls:

B. A. Austin, WHC  
D. Goswami, Ecology  
P. S. Innis, EPA  
R. W. Scheck, Dames and Moore  
EDMC, H4-22

cc w/o encls:

S. N. Balone, EM-442  
R. P. Henckel, WHC  
A. D. Krug, WHC  
J. K. Patterson, WHC  
J. W. Roberts, WHC  
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## CORRESPONDENCE DISTRIBUTION COVERSHEET

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P. T. Day, EPA  
R. F. Stanley, Ecology

Incoming: 9303019  
Xref:9351922D

Subject: 100-FR-3 OPERABLE UNIT (OU) LIMITED FIELD INVESTIGATION (LFI)  
VALIDATED SOIL SAMPLE LABORATORY ANALYSIS

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Enclosures are the same as outgoing letter #9351922D, tmp 6-5813.

